

## Abstract

It is an object of the invention to excellently code a speech and music signal over all of bands in a speech and music signal code decoding apparatus having a band divided constitution. In order to achieve the object, a residue vector is generated by using an inverse filter (230 of Fig. 3) from a difference vector outputted from a first differencer (180 of Fig. 3). A band selecting circuit (250 of Fig. 3) generates n pieces of subvectors by using a component included in an arbitrary band in the residue vector subjected to orthogonal transformation. An orthogonal transformation coefficient quantizing circuit (260 of Fig. 3) quantizes n pieces of the subvectors.